

# PATENT ABSTRACTS OF JAPAN

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(21)Application number : 07-072149 (71)Applicant : MITSUBISHI MATERIALS CORP

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## (54) ATTACHING MECHANISM OF PIN MIRROR CUTTER

### (57)Abstract:

PURPOSE: To surely perform centering by facilitating attaching/detaching of a highly rigid cutter main body.

CONSTITUTION: A key groove 20 in a recessed groove shape is formed in the joined surface 12a side of the outer peripheral side flange 12 of an annular cutter main body 2. A key member 22 is fixed to the joined surface 11b side of the inner peripheral side steep part 11 of a cutter attaching part. The engaging parts 23 of the key groove 20 and the key member 22 are formed into a trapezoidal section shape having almost the same dimension so as to engage with each other. The inclined surfaces 20c and 20d of the key groove 20 and the engaging part 23 and inclined side surfaces 23c and 23d are inclined in the opposing directions. When loaded, the two opposing inclined surfaces 23c and 23d of the engaging part 23 of the key member 22 come into surface contact with the inclined surfaces 20c and 20d and the flange 12 also comes into surface contact with the joined surfaces 12a and 11b of the step part 11.

